

CLAIMS

What is claimed is:

1. A chip module, comprising:
a semiconductor chip fixed on a main side of a planar substrate; and
at least one electrically conductive connection fitted on the main side of the substrate and connected to a connecting contact of the semiconductor chip;
a component, which takes up, emits, reflects or partially shields electromagnetic radiation, provided on the main side of the substrate and connected to the at least one electrically conductive connection,
wherein the substrate is transmissive to the radiation to permit the radiation to be taken up, emitted, reflected or partially shielded, by the component.
2. The chip module as claimed in claim 1, wherein the component is provided for radiation in the range of visible wavelengths.
3. The chip module as claimed in claim 2, wherein the component is a display device.
4. The chip module as claimed in claim 1, wherein the component is a radiation detector.
5. The chip module as claimed in claim 1, wherein the substrate is a film which is transmissive to the radiation.

6. The chip module as claimed in claim 5, wherein the substrate is polyethylene terephthalate.

7. The chip module as claimed in claim 1, further comprising at least one contact area made of electrically conductive material applied on a side of the substrate opposite the main side and connected to the at least one electrically conductive connection by a plated-through-hole passing through the substrate.

8. The chip module as claimed in claim 1, wherein the semiconductor chip and/or the component are fixed on the substrate by means of an adhesive provided with electrically conductive filler and are connected to the at least one electrically conductive connection.

9. The chip module as claimed in claim 1, wherein the substrate has dimensions which enable fitting on a top side of a card body provided for a smart card.

10. The chip module as claimed in claim 1, wherein the electrically conductive connections comprise a conductor structure provided as an antenna.